WHAT IS CLAIMED IS:

1. A method of treating a patient with Pompe's disease, comprising: administering to the patient a therapeutically effective amount of human acid alpha glucosidase.

3. The method of claim 1, wherein the patient is administered at least 60 mg/kg body weight per week.

4. The method of claim 1, wherein the patient is administered at least 120 mg/kg body weight per week.

5. The method of any of claims 1-4, wherein the patient is administered a single dosage of alpha-glucosidase per week.

6. The method of any of claim 1-4, wherein the patient is administered three dosages of alpha-glucosidase per week.

7. The method of any of claims 1-4, wherein the amount is administered per week for a period of at least 24 weeks.

8. The method of claim 1, wherein the alpha-glucosidase is administered intravenously.

9. The method of claim 1, wherein the alpha-glucosidase was produced in milk of a transgenic mammal.

10. The method of claim 1, wherein the patient has infantile Pompe's disease.

11. The method of claim 10, wherein the patient survives to be at least one year old.